

1112-16-HUG

Mathematical, Physical, and Life Sciences Division and Philosophy Faculty Board

Approved by Chairman's action

Title of Programme

MCompPhil in Computer Science and Philosophy

Brief note about nature of change: brings the regulations for Part C into line with other changes in Philosophy regulations.

Effective date

1 October 2013 (for first Part C examination in 2016)

Location of change

In *Examination Regulations* 2011

Detail of change

1. p. 204, ll. 3-4, after '124,' delete "and 125" and insert: ', 125 and 180'.
2. p..ibid., ll.5-7, delete "or Paper 180... Degree of Bachelor of Philosophy,"

Explanatory Notes

These regulations bring the regulations for Part C into line with other changes in Philosophy regulations.

Mathematical, Physical, and Life Sciences Division and Philosophy Faculty Board

Approved by Chairman's action

Title of Programme

MMathPhil in Mathematics and Philosophy

Brief note about nature of change: brings the regulations for Part C into line with other changes in Philosophy regulations

Effective date

1 October 2012 (for first Part C examination in 2013)

Location of change

In *Examination Regulations* 2011

Detail of change

1. p. 328, l. 13, after "120" insert: ", 124, 125 and 180"
2. *ibid.*, ll.14-15, delete "or the Rise of Modern Logic as specified in the Regulations for the Degree of Bachelor of Philosophy,"
3. *ibid.*, ll.18-29, delete: "Topics for essays shall be... two weeks of its being received." and substitute: "The topic for a Philosophy examination essay in a given subject can be any question set for the most recent examination of that subject in Honour Schools with Philosophy, with the exception of questions for Plato: *Republic* (115) and Aristotle: *Nicomachean Ethics* (116) consisting of multiple passages for comment. Candidates may apply for approval of other essay topics by writing to the Chairman of the Board, c/o The Administrator, Philosophy Centre, 10 Merton Street, giving the title he or she proposes, together with an explanation of the subject in about 100 words and enclosing a letter from their tutor attesting to the suitability of this topic for the candidate. Any such application must be received no later than Friday of the sixth week of the Hilary Term preceding the Part C examination for which the essay is to be submitted. Late applications will not be considered. Any such application shall be accepted or rejected by the Board within two weeks of its being received."

Explanatory Notes

These regulations bring the regulations for Part C into line with other changes in Philosophy regulations.

Mathematical, Physical, and Life Sciences Division and Philosophy Faculty Board

Approved by Chairman's action

Title of Programme

MPhysPhil in Physics and Philosophy

Brief note about nature of change: brings the regulations for Part C into line with other changes in Philosophy regulations.

Effective date

1 October 2012 (for first Part C examination in 2013)

Location of change

In *Examination Regulations* 2011

Detail of change

1. p.431, l.49, after "125," insert: ", and 180"
2. from p.431, l.50 – p.432, l.1, delete "or the Rise of Modern Logic as specified in the Regulations for the Degree of Bachelor of Philosophy,".
3. p.432, l.13, after "...passages for comment" insert: ", and the questions for Formal Logic (119) consisting of formal exercises".

Explanatory Notes

These regulations bring the regulations for Part C into line with other changes in Philosophy regulations.

Mathematical, Physical and Life Sciences Division, and Philosophy Faculty

Approved by Division and Education Committee

Title of Programme

Preliminary examination in Computer Science and Philosophy

Brief note about nature of change: Replaces Honour Moderations in Computer Science and Philosophy with a Preliminary Examination.**Effective date**

1 October 2012 (for first examination in 2013)

Location of changeIn *Examination Regulations* 2011**Detail of change**

1. p.57, delete ll.21-23
2. delete from p.91, l.1, to p.92, l.8
3. delete p 110 ll.16-39, and substitute:

**"Special Regulations for the Preliminary Examination in
Computer Science and Philosophy****A**

1. The subject of the examination shall be (a) Computer Science and (b) Philosophy.
2. All candidates must offer both (a) and (b).
3. The Examinations shall be under the joint supervision of the Divisional Board of Mathematical, Physical and Life Sciences and the Board of the Faculty of Philosophy, which shall appoint a joint supervisory committee to make regulations concerning it, subject always to the preceding clauses of this subsection.

B

1. The Preliminary Examination in Computer Science and Philosophy shall comprise five compulsory written papers plus compulsory Computer Science practicals equivalent to one

written paper:

CS1 Functional Programming, and Design and Analysis of Algorithms
CS2 Imperative Programming
CSP3 Discrete Mathematics and Probability
P1 Introduction to Philosophy
P2 Elements of Deductive Logic
Computer Science Practicals

2. The syllabus for papers CS1, CS2 and CSP3 will be published by the Joint Supervisory Committee in a handbook for candidates by the beginning of the Michaelmas Full Term in the academic year of the examination, after consultation with the Faculty of Computer Science (for papers CS1, CS2 and CSP3) and the Faculty of Mathematics (for paper CSP3). The syllabus for paper P1 will be as stated below. The syllabus for paper P2 will be as stated for the Elements of Deductive Logic paper in the regulations for the Preliminary Examination in Mathematics and Philosophy.

3. Papers CS1, CS2 and CSP3 will contain questions of a straightforward character.

4. All candidates will be assessed as to their practical ability in Computer Science under the following provisions:

(a) The Head of the Department of Computer Science, or a deputy, shall make available to the examiners evidence showing the extent to which each candidate has pursued an adequate course of practical work. Only that work completed and marked by noon on Monday of the fifth week of the Trinity Term in which the candidate takes the examination shall be included in these records.

(b) Candidates shall submit to the Chairman of the Moderators for the Preliminary Examination in Computer Science and Philosophy, c/o the Academic Administrator, Oxford University Department of Computer Science, Oxford, by noon on Monday of the fifth week of the Trinity Term in which the examination is being held, their reports of practical exercises completed during their course of study. For a report on a practical exercise to be considered by the Moderators, it must have been marked by a demonstrator and must be accompanied by a statement that it is the candidate's own work except where otherwise indicated.

(c) The Moderators shall take the evidence (a) and the reports (b) into account in assessing a candidate's performance.

(d) Candidates whose overall performance on practical work is not satisfactory may be deemed to have failed the examination.

5. Candidates shall be deemed to have passed the examination if they have satisfied the Moderators in all six papers in clause 1 either at a single examination or at two examinations in accordance with clause 7 or clause 8.

6. The Moderators may award a distinction to candidates of special merit who have satisfied them in all six papers in clause 1 in one examination.

7. Candidates who fail one or two written papers listed in clause 1 may offer those papers at one, but no more than one, subsequent examination.

8. Candidates who fail three or more papers may enter the written part of the examination on one, but no more than one, subsequent examination.

9. The use of calculators is generally not permitted but certain kinds may be allowed for certain papers. Specifications of which papers and which types of calculators are permitted for those exceptional papers will be announced by the examiners in the Hilary Term preceding the examination.

Paper P1, Introduction to Philosophy

The paper shall consist of two parts:

A. *General Philosophy* as stated in the regulations for the Preliminary Examination in Mathematics and Philosophy.

B. *Turing: Computability and Intelligence* This section shall be studied in connection with Alan Turing's papers "On Computable Numbers, with an Application to the *Entscheidungsproblem*" (reprinted and explained in Charles Petzold's *The Annotated Turing*, Wiley, 2008) and "Computing Machinery and Intelligence" (*Mind*, 1950). While not being confined to Turing's views, these questions will be satisfactorily answerable by a candidate who has made a critical study of the texts. There will not be a compulsory question containing passages for comment.

Candidates will be required to attempt four questions, including at least one question from Part A and at least one question from Part B."

Explanatory Notes

These regulations replace the Honour Moderations in Computer Science and Philosophy with a Preliminary Examination, in accordance with Education Committee policy. The opportunity is taken to revise the written papers.

Mathematical, Physical, and Life Sciences Division and Philosophy Faculty

Approved by Division and Education Committee

Title of Programme

Preliminary examination in Mathematics and Philosophy

Brief note about nature of change: Replaces Honour Moderations in Mathematics and Philosophy with a Preliminary Examination.

Effective date

1 October 2012 (for first examination in 2013)

Location of change

In *Examination Regulations* 2011

Detail of change

1. p.57, delete ll.28-30
2. p.59, l.12, delete ""
3. delete from p.92 ll.1 to p.93, l.24
4. delete from p 131 l.9 to p.132 l.5, and substitute:

**"Special Regulations for the Preliminary Examination in
Mathematics and Philosophy**

A

1. The subject of the examination shall be (a) Mathematics, and (b) Philosophy. The syllabus and number of papers shall be prescribed by regulation from time to time by the Mathematical, Physical and Life Sciences Board and the Board of the Faculty of Philosophy.
2. A candidate shall offer both subjects for examination.
3. The Moderators for Mathematics shall include at least two of the Moderators for the

Preliminary Examination in Mathematics; the Moderators for Philosophy shall include at least two Moderators nominated by a committee of the Faculty of Philosophy.

4. It shall be the duty of the Chairman of Moderators for the Preliminary Examination in Mathematics to nominate such of their number as shall be required to act as Moderators for the Preliminary Examination in Mathematics and Philosophy.

B

1. Candidates shall take five written papers. The titles of the papers shall be:

- A. Mathematics I (as specified by the Preliminary Examination in Mathematics)
- B. Mathematics II (as specified by the Preliminary Examination in Mathematics)
- C. Mathematics III(P)

- D. Elements of Deductive Logic

Subjects to be studied include: propositional and predicate languages; truth tables; Natural Deduction; relations; the critical application of formal logic to the analysis of English sentences and inferences (problems of symbolization; scope, truth-functionality, quantification, identity, descriptions); elementary metatheorems about propositional calculus (including the following topics: expressive adequacy, duality, substitution, interpolation, compactness, consistency, soundness and completeness). Some questions of a mathematical nature will be set.

These subjects shall be studied in conjunction with Volker Halbach's *Introduction to Logic* manual, published by Oxford University Press. The logical symbols to be used are those found in this publication. Philosophical questions about logic may be studied by reading Mark Sainsbury, *Logical Forms*, 1st or 2nd edition (Blackwell), Chapters 1-2.

- E. Introduction to Philosophy

The paper shall consist of two parts:

1. *General Philosophy* Subjects to be studied include: knowledge and scepticism, induction, mind and body, personal identity, free will, and God and evil. Candidates will have the opportunity, but will not be required, to show first-hand knowledge of Descartes' *Meditations* and Hume's *An Enquiry concerning Human Understanding*.
2. *Frege* This section shall be studied in connection with Frege *Foundations of Arithmetic*, trans. J. L. Austin, Blackwell, 1980. This section, while not being confined to the detailed views of the author of the set text, will be satisfactorily answerable by a candidate who has made a critical study of the text. There will not be a compulsory question containing passages for comment.

Candidates will be required to attempt four questions, and answer at least one question from Part 1 and at least one question from Part 2.

2. Candidates shall be deemed to have passed the examination if they have satisfied the Moderators in all five papers A-E *either* at a single examination *or* at two

examinations in accordance with the proviso of cl 3.

3. A candidate who fails to satisfy the Moderators in one or two of papers A-E may offer the papers failed on one, and only one, subsequent occasion. A candidate who fails to satisfy the Moderators in three or more of papers A-E may offer all five papers on one, and only one, subsequent occasion, *except that* a candidate who fails to satisfy the Moderators in all of papers A-C, but who has satisfied the Moderators in papers D and E, may offer papers A-C only on one, and only one, subsequent occasion.
4. The Moderators may award a distinction to candidates of special merit who have passed all five written papers at a single examination.
5. The syllabus for each paper in Mathematics shall be published by the Mathematical Institute in a handbook for candidates by the beginning of the Michaelmas Full Term in the academic year of the examination, after consultation with the Mathematics Teaching Committee.
6. The use of hand held pocket calculators is generally not permitted but certain kinds may be permitted for some papers. Specifications of which papers and which types of calculator are permitted for those papers will be announced by the Moderators in the Hilary Term preceding the examination."

Explanatory Notes

These regulations replace the Honour Moderations in Mathematics and Philosophy with a Preliminary Examination, in accordance with Education Committee policy. These regulations also include changes to the first year syllabus.

Mathematical, Physical and Life Sciences Division and Philosophy Faculty

Approved by Division and Education Committee

Title of Programme

Preliminary examination in Physics and Philosophy

Brief note about nature of change: Replaces Moderations in Physics and Philosophy with a Preliminary Examination.**Effective date**

1 October 2012 (for first examination in 2013)

Location of changeIn *Examination Regulations* 2011**Detail of change**

1. p.57, delete ll.38-39
2. p.59, l.27, delete ""
3. delete from p.101 l.18 to p.102, l.43
4. delete from p.150 l.28 to p.151 l.20, and substitute:

"Special Regulations for the Preliminary Examination in Physics and Philosophy**A**

1. The subjects of the Examination shall be (a) Physics and Mathematics, (b) Philosophy.
2. All candidates must offer both (a) and (b).
3. The Examiners shall indicate on the pass list each candidate who has not passed the examination, but who has passed in one subject, and shall indicate in which subject the candidate has passed.
4. The Examination shall be under the joint supervision of the Board of the Faculty of Philosophy and the Mathematical, Physical and Life Sciences Board, which shall

appoint a standing joint committee to make regulations concerning it, subject always to the preceding clauses of this sub-section.

5.
 - (i) The Examiners for Physics and Mathematics shall be such of the Examiners in the Preliminary Examination in Physics as may be designated by the Chairman of Examiners for the Preliminary Examination in Physics.
 - (ii) The Examiners for Philosophy shall be nominated by a committee of which the three elected members shall be appointed by the Board of the Faculty of Philosophy.
6. Candidates who do not pass the examination at their first sitting may re-enter on one subsequent occasion as follows:
 - (i) Candidates must re-take any papers failed at the first attempt, and
 - (ii) Candidates who fail two or more papers in Physics and Mathematics must retake all the papers in that subject.

B

Distinction can be obtained by excellence either in Physics and Mathematics or in Philosophy provided that adequate knowledge is shown in the other subject of the examination.

Candidates will be required to take five papers, as follows:

- (a) three papers in Physics and Mathematics;
- (b) two papers in Philosophy.

(a) Physics and Mathematics

Candidates will be required to take the following three papers:

- (1) CP1 Physics 1
- (2) CP3 Mathematical Methods 1
- (3) CP4 Mathematical Methods 2.

Their syllabuses shall be approved by the Faculty of Physics and published in the Physics Course Handbook not later than the beginning of Michaelmas Full Term for examination three terms thence. Except for papers for which their use is forbidden, the Moderators will permit the use of any hand-held calculator subject to the conditions set out under the heading 'Use of calculators in examinations' in the *Regulations for the Conduct of University Examinations* and further elaborated in the Physics Course Handbook.

(b) Philosophy.

Candidates will be required to take two papers:

- (1) Elements of Deductive Logic
- (2) Introduction to Philosophy.

(1) Elements of Deductive Logic

As specified for the Preliminary Examination in Mathematics and Philosophy.

(2) Introduction to Philosophy

The paper shall consist of two parts:

A. General Philosophy

As specified for the Preliminary Examination in Mathematics and Philosophy.

B. Leibniz-Clarke

This section shall be studied principally as an introduction to the philosophy of space and time in connection with *The Leibniz-Clarke Correspondence*, ed. H. G. Alexander, Manchester University Press, 1956. This section, while not being confined to the detailed views of the author of the set text, will be satisfactorily answerable by a candidate who has made a critical study of the text. There will not be a compulsory question containing passages for comment.

Candidates will be required to attempt four questions, and answer at least one question from Part A and at least one question from Part B."

Explanatory Notes

These regulations replace the Moderations in Physics and Philosophy with a Preliminary Examination, in accordance with Education Committee policy.

Mathematical, Physical, and Life Sciences Division and Philosophy Faculty Board

Approved by Chairman's action

Title of Programme

FHS in Mathematics and Philosophy

Brief note about nature of change: Sets out the relative weight of the Extended Essay for Part C Philosophy Options as part of the Mathematics and Philosophy degree.

Effective date

1 October 2012 (for first examination in 2013)

Location of change

In *Examination Regulations* 2011

Detail of change

p. 328, l.17, after "Each unit in Philosophy other than a Thesis shall be examined by a three-hour written paper together with an essay of at most 5,000 words." insert "The relative weight of the essay to the three-hour exam shall be 1 to 3, i.e. the essay shall count for 25% of the mark in that subject."

Explanatory Notes

These regulations set out the relative weight of the Extended Essay for Part C Philosophy Options as part of the Mathematics and Philosophy degree.